

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR00/00875**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 H04L 9/32**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04L 9/32, G06F 17/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

KOREAN PATENTS AND APPLICATIONS FOR INVENTIONS SINCE 1983

JAPANESE PATENTS AND APPLICATIONS FOR INVENTIONS

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, INSPECT "SIGNATURE, CERTIFICATION, FILE"

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KR 99-30983 A (KOREAN ELECTRICITY AND COMMUNICATION INC.) 6 MAY 1999 (06.05.1999), fig3..	1-4, 12-15
P. A	KR 99-46783 A (HITACHI CORP) 25 MAY 2000 (25.05.2000) page4, lines 3 to 35	1-4, 12-15
A	US 5214702 A (ADDISON.M.FISCHER) 25 MAY 1993 (25.05.1993) fig8.	1-4, 12-15
Y	JP 11-346210 A (JAPANESE ELECTRICITY AND COMMUNICATION INC) 14 DECEMBER	1-4, 12-15

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

22 SEPTEMBER 2000 (22.09.2000)

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Name and mailing address of the ISA/KR

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/KR00/00875

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 99-30989 A	06.05.1999	NONE	
KR 99-46783 A	25.05.2000	NONE	
US 5214702 A	25.05.1993	NONE	
JP 11-346210 A	14.12.1999	NONE	
EP 386867 B 13.02.1992	26.10.1994	JP 2291043 A AU 620291 B	30.11.1990

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 386867 B (ADDISON M. FISCHER) 26 OCTOBER 1994 (26.10.1994) fig11	1-4, 12-15